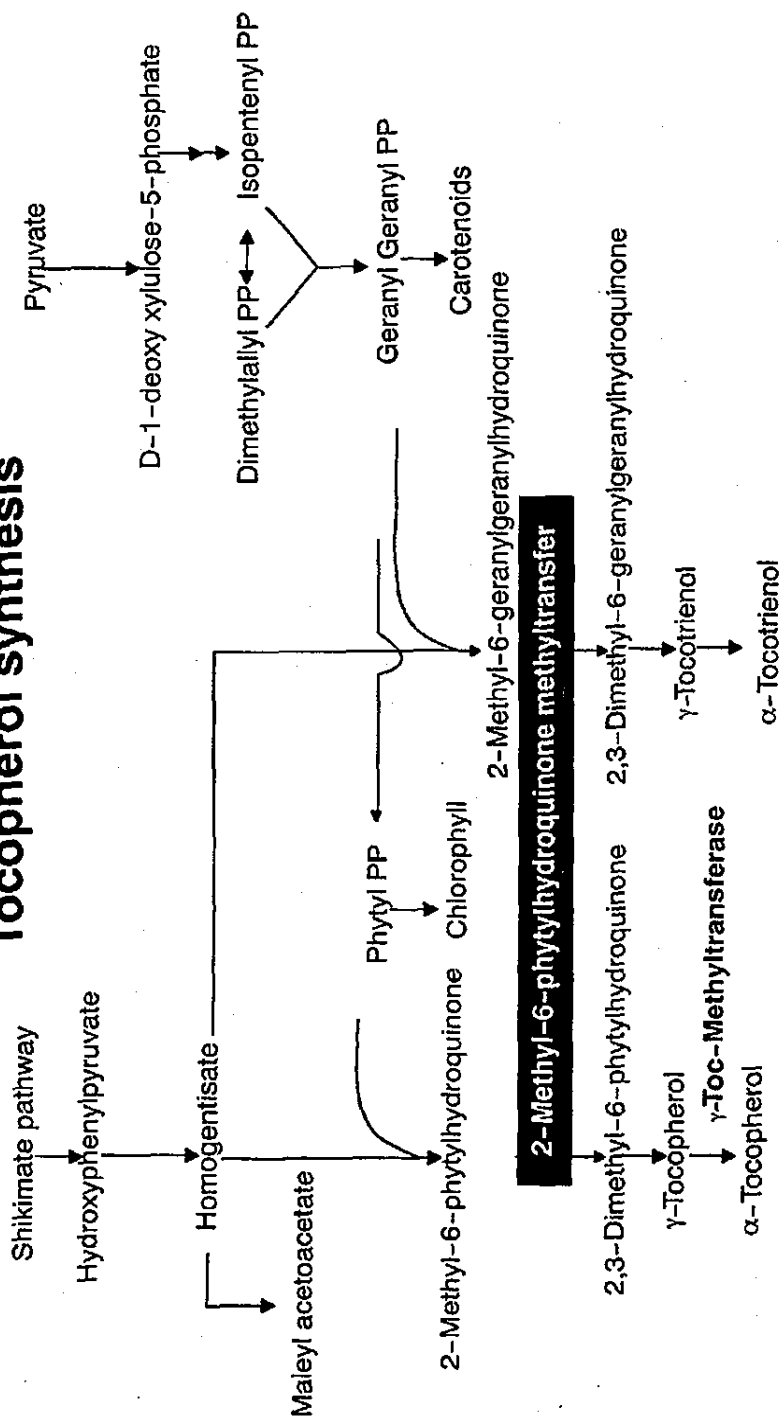


Figure 1

## Tocopherol synthesis



0817/00001

Figure 2

```

-----MXXXXXXXXXXLS Majority
      10      20      30      40
1  -----MFEYLLLPAGLIS sl10418.PRO
1  -----M VYHVRPKHALPL slr0089.PRO
1  HKATLAAPSSLTSLPYRTNSSPGSKSSLFRSPSSSSSV aratmt.PRO

XXXXXXXXXXAXATXXXXXXXXXXXXXXXXTSXGXEXXW Majority
      50      60      70      80
14 LSLAIAAGLYLLTARGYQSSDSVANAYDQWTFEDGILEYYW sl10418.PRO
14 AFYCYFSLTTHASATIXASADLYEXIXNFYDDSSGLWEDVW slr0089.PRO
41 H TTRGCVAVAAATSTEARLRKGIAEFYNETSGLWEIING aratmt.PRO

CXHXHXGYYGDXVXXXD--XXXAQIXXIXEXLAXAGXXD Majority
      90     100     110     120
54 GIDH:IH:LGHYGDPFVAK--DFIQSKIDFVHAMAHQWGLD sl10418.PRO
54 GELH:HH:GYYGPHGTYRID--RRQAQYIDLKIELLAWAVPON slr0089.PRO
81 DHMH:M:GFYDFDSSVQLSDISCHKEAQIRMIIEESLRFAGVTB aratmt.PRO

XX--XXXXXVLDVCGCGIGSSRYLAXXXGAEVXGITLSPV Majority
     130     140     150     160
90 TL--PPGTTVLDVCGCGIGSSRI LAKDYGFNVTCITITSPQ sl10418.PRO
92 SA--KPRKIIDLGCGIGGSSLYLAQQHQAEVHGASLSPV slr0089.PRO
121 EEEEEKIKKVVDVCGGIGSSRYLAKFCACIGITLSPV aratmt.PRO

QVKRAKELAXAXXLXTAXFOVADALDLPFXDGSPDXVNS Majority
     170     180     190     200
128 QVKRATELTTP--DVTAKEPAVIDDANALSFIDGSPDVVWS sl10418.PRO
129 QVERAGSEARALCLGSGTCQFQVANALDLPFASDSFDVWWS slr0089.PRO
161 QAKRANDLAAGQSLSRKASFOVADALDQPFEDGKPDLVNS aratmt.PRO

XESGEHMPDKAXFXKELXRVKKPGGRLIXATWCHRXXXG Majority
     210     220     230     240
165 VEACFHPFPAVFAKELLRVVKFGGILVVADNHNQRDDROV sl10418.PRO
169 LE3GEHMPKKAQFLOEAWRVLKPGGRLYLAFWCHRPIDPG slr0089.PRO
201 MESGEHMPDKAKFVKELVRVAPGGRITIVTWCHRNLSAG aratmt.PRO

XXXXLXXXLXXXLXXIXXXXXLPAXXSXXDYXXXXXXXG Majority
     250     260     270     280
205 FLNFWKPVHRQLLDQWSNFAFASTIEGFABNLBATGLVEG sl10418.PRO
209 NGPITADERRRHQAIXYDVYCLPYVVSLEPDYEAIARECGFG slr0089.PRO
241 EEA'LOPWENILDKICKTPYLPANCSTDOYVNLQSHSLQ aratmt.PRO

XIKTADNSVXVAPFNXXVIXXAXXXXLWXLXXXGXKIX Majority
     290     300     310     320
245 QVTADWTVPTLPANLDTIWQGIIRPQGNLQYCGIRGPIXS sl10418.PRO
249 EIKTADNSVAVAPFNDRVIESAFDPRVLWALGQAGPKIIM slr0089.PRO
281 DIKCADNSENVAPFNPVIZRTALTWEGLVSLLRSCNXSIX aratmt.PRO

XALXXXLHXXGYXX--GLXRF--GXXTXXXPLXX-X-- Majority
     330     340     350     360
285 VREVPTILLNRLAPGVGLCF--GHPKAVRKNATQA sl10418.PRO
289 ALCLRLMXGYER--GLVRF--GLLTFGIXPLV--SPQSP slr0089.PRO
321 GALTNP LNIEGYKK--GVIKF--GIITCQKPL aratmt.PRO

----- Majority
318 ----- sl10418.PRO
324 R ----- slr0089.PRO
348 ----- aratmt.PRO

```

Figure 3

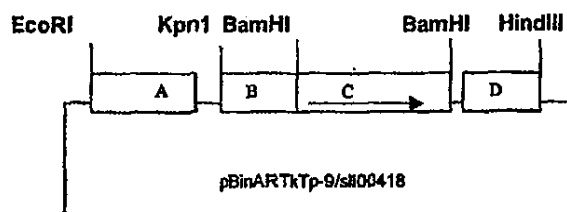


Figure 4

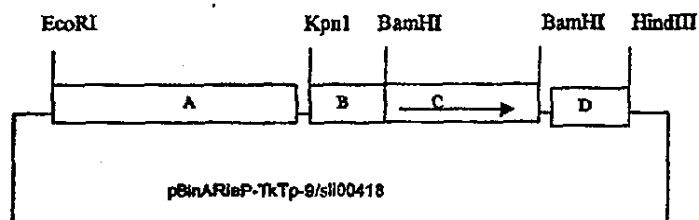


Figure 5

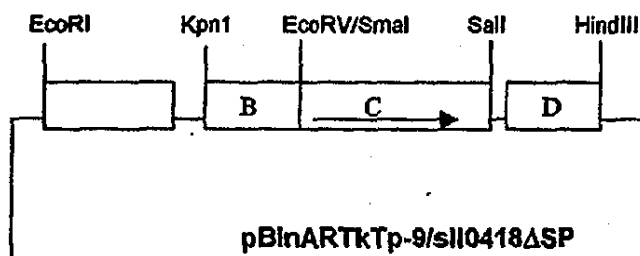


Figure 6

